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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application No.: 10/083,773 Patent No.: 7,224,807
Filing Date: February 27, 2002 Issue Date: May 29, 2007
Applicant: Welsh et al. Group Unit: 2615
Attorney Docket: 67008-041 Examiner: Kurr, Jason Richard
For: SYSTEM FOR COMPUTATIONALLY EFFICIENT ACTIVE CONTROL OF TONAL SOUND OR VIBRATION

COMMISSIONER OF PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION

Dear Sir:

Enclosed is a Certificate of Correction for the above-identified US Patent.

The errors are not believed to be ours and we do not believe any fee is due at this time. If any fee is due you are hereby authorized to charge Deposit Account No. 50-1482 in the name of Carlson, Gaskey & Olds. Consideration is respectfully requested.

Respectfully submitted,

CARLSON, GASKEY & OLDS, P.C.

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Date: July 10, 2007

JUL 17 2007

CERTIFICATE OF MAILING

I hereby certify that this document is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 10, 2007.


Amy Spaulding

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

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APPLICATION NO.: 10/083,773

ISSUE DATE : May 29, 2007

INVENTOR(S) : Welsh et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 13 should read as follows:

The method of Claim 6, wherein said physical variable comprises a plurality of physical variables, said method further including the steps of:

- f) generating a sensed signal as a function of each of said plurality of physical variables; and
- g) computing harmonic estimates z_k for each sensed signal y_k at each sample time t_k according to $z_k = z_{k-1} + \rho H(y_k - H^T z_{k-1})$, where:

$H = [1 \cos(f_d t_k) \sin(f_d t_k) \cos(f_x t_k) \sin(f_x t_k) \dots]^T$ and where:

$f_d t_k$ = desired frequency;

$f_x t_k$ = frequency of unwanted information in y_k ;

z_k = estimates of harmonic content of y_k at time k ;

z_{k-1} = estimates of harmonic content at time $k-1$;

ρ = a variable gain that determines the corner frequency of the first order low-pass anti-aliasing filter;

y_k = sensed signal vector at time k ;

$(\cdot)^T$ = transpose of a vector or matrix.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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JUL 17 2007

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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